

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Express Mail No.: EL336859704US

In re Application of: Nikolai NEFEDOV

SERIAL NO.:

EXAMINER:

FILING DATE: Herewith

ART UNIT:

TITLE: METHOD AND APPARATUS FOR CHANNEL CODING AND  
DECODING FOR MODULATION SCHEMES WITH MEMORY

ATTORNEY DOCKET NO.: 297-008769-US(PAR)

The Commissioner of Patents and Trademarks

Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

The following information is being disclosed to the Patent and Trademark Office as information that may be material to the examination of the above-identified patent application.

The above-identified patent application claims priority to Finnish Patent Application No. 981745 filed August 12, 1998. Applicant's attorney encloses a copy of a Finnish Search Report issued on the priority Finnish Patent Application No. 981745. The Finnish Search Report cited PCT International Publication No. WO 98/32256, US Patent Nos. US 4,907,233, US 5,400,347 and European Patent Application No. EP 0 551 973. "Near Shannon Limit Error-Correcting Coding and Decoding: Turbo-Codes(1)", Berrou et al., Proc. ICC'93, pp. 1064-1070, June 1993; "Serial Concatenation of Interleaved Codes: Performance Analysis, Design, and Iterative Decoding", Benedetto et al., TDA Progress Report 42-126, August 15, 1996; "Serial and Hybrid Concatenated Codes with Applications", Divsalar et al., Proc. Inter. Symposium on Turbo



Codes, Breast, Sept. 1997, pp. 80-87; "Iterative Correction of Intersymbol Interference: Turbo-Equalization", Douillard et al., European Trans. Telecom ETT, vol. 6, No. 5, pp. 507-511; "Turbo-Detection: A New Approach to Combat Channel Frequency Selectivity", Picart et al., Proc. ICC'97, pp. 1498-1502; were cited in the specification for the above identified patent application, copies enclosed. Applicant's attorney encloses a copy of "A Soft-Input Soft-Output Maximum A Posteriori (MAP) Module to Decode Parallel and Serial Concatenated Codes", Benedetto et al., TDA Progress Report 42-127 November 15, 1996 which was provided by the Applicant and may be considered relevant to the invention claimed in the above-identified application.

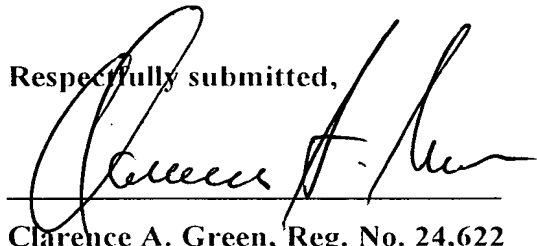
Copies of the Finnish Search Report and the cited references are enclosed together with PTO-Form 1449.

Pursuant to Section 609 and 707.05(b) of the MPEP and 37 CFR 1.97-1.99, the undersigned is bringing the following copending U.S. Patent Applications, of which he is aware, to the attention of the Examiner in the above-identified application as they may be considered pertinent to the invention claimed in the above-identified application.

- (1) Express Mail No. EL336859695US  
Mailing Date: 8/11/99  
Title: METHOD AND APPARATUS FOR SEAMLESSLY CHANGING  
THE RADIO INTERFACE DATA RATE IN CIRCUIT SWITCHED  
TRANSMISSION  
Assignee: Nokia Mobile Phones Ltd.  
Attorney Docket No.: 297-008768-US(PAR)
  
- (2) U.S. Serial No.: 09/118,542  
Filing Date: 7/17/98  
Title: CONVOLUTIONAL INTERLEAVER AND CONVOLUTIONAL  
INTERLEAVING METHOD  
Assignee: Nokia Mobile Phones Ltd.  
Attorney Docket No.: 617-008126-US(PAR)

- (3) U.S. Serial No.: 09/255,894  
Filing Date: 2/23/99  
Title: SIGNAL CODING  
Assignee: Nokia Mobile Phones Ltd.  
Attorney Docket No.: 442-008529-US(PAR)
- (4) U.S. Serial No.: 360,612  
Filing Date: 12/21/94  
Title: GSM DATA CHANNEL INTERLEAVING  
Assignee: Nokia Mobile Phones Ltd.  
Attorney Docket No.: NC 3792

Respectfully submitted,



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11 Aug 99  
Date